

CLMPTO

01/28/05

TC

BEST AVAILABLE COPY

Claims 1-157(Cancelled)

Claim 158 (Currently Amended)

158. The method of claim 185 [157], wherein the fluoriodocarbon is selected from the group consisting of bromodifluoriodomethane, chlorodifluoriodomethane, 1,1,2,2,3,3,4,4,5,5-decafluoro-1,5-diiodopentane, difluorodiodomethane, difluoriodomethane, 1,2,2,3,3,4,4,5,5,6,6-dodecafluoro-1,6-diiodohexane, fluoriodomethane, 1,1,1,2,3,3,3-heptafluoro-2-iodopropane, 1,1,2,2,3,3,3-heptafluoro-1-iodopropane, 1,1,2,2,3,3-hexafluoro-1,3-diiodopropane, 1-iodoheptafluorooctane, iodoheptafluorocyclobutane, 1-iodopentadecafluoroheptane, iodopentafluorocyclopropane, 1-iodotridecafluorohexane, 1-iodoundecafluoropentane, N-iodobis-(trifluoromethyl)amine, 1,1,2,2,3,3,4,4,4-nonafluoro-1-iodobutane, 1,1,2,2,3,3,4,4-octafluoro-1,4-diiodobutane, pentafluoriodoethane, 1,1,2,2-tetrafluoro-1,2-diiodoethane, 1,1,2,2-tetrafluoro-1-iodoethane, 1,1,2-trifluoro-1-iodoethane, trifluoriodomethane, and trifluoromethyl-1,1,2,2-tetrafluoro-2-iodoethyl ether.

Claim 159-168(Cancelled)

Claims 169(Currently Amended)

Art Unit: 1700

169. The (A) method of claim 185, wherein the [using a fire extinguishing agent, comprising the steps of:

(a) placing the agent in a discharge apparatus; and

(b) discharging a fire-extinguishing amount of the agent from the discharge apparatus into contact with a combustible or flammable material, wherein the agent consists essentially of an azeotropic or near azeotropic blend of at least one additive selected from the group consisting of hydrofluorocarbons, perfluorocarbons and fluoroethers, and a fluoriodocarbon is selected from the group consisting of bromodifluoriodomethane, chlorodifluoriodomethane, 1,1,2,2,3,3,4,4,5,5-decafluoro-1,5-diiodopentane,

1,2,2,3,3,4,4,5,5,6,6-dodecafluoro-1,6-diiodohexane, 1,1,2,2,3,3-hexafluoro-1,3-diiodopropane, 1-iodoheptafluorooctane, iodoheptafluorocyclobutane, 1-iodopentadecafluoroheptane, iodopentafluorocyclopropane, 1-iodoundecafluoropentane, N-iodobis(trifluoromethyl)amine, 1,1,2,2,3,3,4,4,4-nonafluoro-1-iodobutane, 1,1,2,2,3,3,4,4-octafluoro-1,4-diiodobutane, 1,1,2,2-tetrafluoro-1,2-diiodooctane, and trifluoromethyl-1,1,2,2-tetrafluoro-2-iodoethyl ether.

Claims 170(Cancelled)

Claims 171(Currently Amended)

Art Unit: 1700

171. The method of claim 186 [170], wherein the fluoroiodocarbon is selected from the group consisting of bromodifluoroiodomethane, chlorodifluoroiodomethane, 1,1,2,2,3,3,4,4,5,5-decafluoro-1,5-diiodopentane, difluorodiiiodomethane, difluoroiodomethane, 1,2,2,3,3,4,4,5,5,6,6-dodecafluoro-1,6-diiodohexane, fluoroiodomethane, 1,1,1,2,3,3,3-heptafluoro-2-iodopropane, 1,1,2,2,3,3,3-heptafluoro-1-iodopropane, 1,1,2,2,3,3-hexafluoro-1,3-diiodopropane, 1-iodoheptafluorooctane, 1-iodoheptafluorocyclobutane, 1-iodopentadecafluoroheptane, iodopentafluorocyclopropane, 1-iodotridecafluorohexane, 1-iodoundecafluoropentane, N-iodobis-(trifluoromethyl)amine, 1,1,2,2,3,3,4,4,4-nonafluoro-1-iodobutane, 1,1,2,2,3,3,4,4-octafluoro-1,4-diiodobutane, pentafluoroiodoethane, 1,1,2,2-tetrafluoro-1,2-diiodoethane, 1,1,2,2-tetrafluoro-1-iodoethane, 1,1,2-trifluoro-1-iodoethane, trifluoroiodomethane, and trifluoromethyl-1,1,2,2-tetrafluoro-2-iodoethyl ether.

Claims 172-176(Cancelled)**Claims 177-179(Currently Amended)**

177. The [A] method of claim 186, wherein [using a fire extinguishing agent, comprising the steps of:

- (a) placing the agent in a discharge apparatus; and

Art Unit: 1700

(b) discharging a fire-extinguishing amount of the agent from the discharge apparatus into contact with a combustible or flammable material, wherein the agent comprises a blend of a fluoroiodocarbon and at least one additive,] the fluoroiodocarbon [being] is selected from the group consisting of bromodifluoroiodomethane, chlorodifluoroiodomethane, 1,1,2,2,3,3,4,4,5,5-decafluoro-1,5-diiodopentane, 1,2,2,3,3,4,4,5,5,6,6-dodecafluoro-1,6-diiodohexane, 1,1,2,2,3,3-hexafluoro-1,3-diiodopropane, 1-iodoheptafluorooctane, 1-iodoheptafluorocyclobutane, 1-iodopentafluoroheptane, iodopentafluorocyclopropane, 1-iodoundecafluoropentane, n-iodobis-(trifluoromethyl)amine, 1,1,2,2,3,3,4,4,4-nonafluoro-1-iodobutane, 1,1,2,2,3,3,4,4-octafluoro-1,4-diiodobutane, 1,1,2,2-tetrafluoro-1,2-diiodoethane and trifluoromethyl-1,1,2,2-tetrafluoro-2-iodoethyl ether[, and the additive being selected from the group consisting of hydrofluorocarbons, perfluorocarbons and fluoroethers].

178. The method of claim 185 [157], wherein the fluoroiodocarbon is of the formula $C_aH_bBr_cCl_dF_eI_fN_gO_h$, wherein a is between and including 1 and 8, b is between and including 0 and 2, c, d, g, and h are each between and including 0 and 1, e is between and including 1 and 17, and f is between and including 1 and 2.

179. The method of claim 185 [157], wherein the fluoroiodocarbon is selected from the group consisting of CF_3I , $CF_3CF_2CF_2I$ and $CF_3CF_2CF_2CF_2I$.

Claims 180-182(Cancelled)

Claims 183-184(Previously presented)

183. (NEW) A method of using a fire extinguishing agent, comprising the steps of:

(a) providing a fire-extinguishing agent consisting essentially of an azeotropic or near azeotropic blend of fluoriodocarbon and at least one fluoroether in a discharge apparatus; and

(b) discharging a fire-extinguishing amount of the fire-extinguishing agent from the discharge apparatus into contact with a combustible or flammable material.

184. (NEW) A method of using a fire extinguishing agent, comprising the steps of:

(a) providing a fire-extinguishing agent comprising a blend of a fluoriodocarbon and at least one fluoroether in a discharge apparatus; and

(b) discharging a fire-extinguishing amount of the fire-extinguishing agent from the discharge apparatus into contact with a combustible or flammable material.

Claims 185-188(New)

Art Unit: 1700

--186. (NEW) A method of using a fire extinguishing agent, comprising the steps of:

(a) providing a fire-extinguishing agent comprising a blend of a fluoriodocarbon and at least one fluoroether in a discharge apparatus; and

(b) discharging a fire-extinguishing amount of the fire-extinguishing agent from the discharge apparatus into contact with a combustible or flammable material,

wherein the fluoroether is selected from the group consisting of bis-difluoromethyl ether, methyl trifluoromethyl ether, octafluoro-1,3-dioxolane, 1,1,2',2'-pentafluoro methyl ethyl ether, perfluorodimethoxymethane, perfluorodimethyl ether, perfluorooxetane, difluoromethyl trifluoromethyl ether, trifluoromethyl pentafluoroethyl ether and trifluoromethyl 1,1,2,2-tetrafluoroethyl ether.--

--187. The method of claim 186, wherein the fluoriodocarbon is of the formula $C_aH_bBr_cCl_dF_eI_fN_gO_h$, wherein a is between and including 1 and 8, b is between and including 0

and 2, c, d, g, and h are each between and including 0 and 1, e is between and including 1 and 17, and f is between and including 1 and 2.--

--188. The method of claim 186, wherein the fluoriodocarbon is selected from the group consisting of CF_3I , $CF_3CF_2CF_2I$ and $CF_3CF_2CF_2CF_2I$ --